

Title (en)
CONNECTOR AND METHOD FOR REALIZING CONNECTOR

Title (de)
VERBINDER UND VERFAHREN ZUR HERSTELLUNG DES VERBINDERS

Title (fr)
CONNECTEUR ET PROCÉDÉ POUR RÉALISER UN CONNECTEUR

Publication
EP 3051636 A4 20170125 (EN)

Application
EP 15810780 A 20150730

Priority

- CN 201410728345 A 20141203
- CN 2015085580 W 20150730

Abstract (en)
[origin: EP3051636A1] The invention discloses a connector and a method for implementing the connector. The connector includes a power source socket, and a power source plug mating with the power source socket, wherein annular or circular electrode sheets are arranged on the power source socket, and one or more pairs of positive and negative terminals are positioned correspondingly on the power source plug, so that when the power source plug is inserted into the power source socket in any direction or at any angle, the positive and negative terminals can come into contact with the annular or circular electrode sheets to thereby electrically connect the power source plug with the power source socket; and in a preferred embodiment, an earphone jack is positioned at the center of the power source socket so that the connector can operate as both the earphone jack and the power source socket to thereby make use of the space effectively so as to lower the number of interfaces via which a device is connected externally, thus making the device simpler in appearance.

IPC 8 full level
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Citation (search report)

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- [XAI] CN 103545675 A 20140129 - UNIV CHONGQING ARTS & SCIENCES
- [A] US 2007259536 A1 20071108 - LONG JON D [US], et al
- [A] CN 1178402 A 19980408 - SUMITOMO WIRING SYSTEMS [JP]
- See references of WO 2016086676A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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DOCDB simple family (publication)
EP 3051636 A1 20160803; **EP 3051636 A4 20170125**; **EP 3051636 B1 20180926**; CN 104505679 A 20150408; CN 104505679 B 20170606; DK 3051636 T3 20181203; US 2016301172 A1 20161013; US 9559477 B2 20170131; WO 2016086676 A1 20160609

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